

1 YEAR BASIS - CONVERSION

PERSONNEL - 8 EDITORS + CODERS

8 PUNCHES

4 VERIFIERS

20

\$ 4200

\$ 84,000

1 SUPERVISOR -
(GS-9)

6700

6700

GS-7 (5540)

\$ 92,700

EQUIPMENT

8 CARD PUNCH MACHINES
(42.00.00/MO)

\$ 3360

4 VERIFIER (50.00 M/MO)

2400

\$ 6240 ? \$ 8000 (8160)
024 026

EQUIPMENT - CURRENT CARDS - TO BE HANDLED BY HAND

SPACE { 3 CARD PUNCH MACHINES
1 VERIFIER
1 INTERPRETER

\$ 1440

12,000/MO

600

3 CLERKS NOW
TYPING

1200

3,000/MO

\$ 3240

1 CLK 600/DAY

RATE OF SPEED

EDITING & CODING - 150 CARDS/MO

CARD PUNCHING - 100 "

VERIFICATION - 200 "

700 CARDS/DAY = 25300/YR
175,000 RT = 1,400,000

8000 NEW CARDS

Statistics - Indices Section

1. Additions to index yearly - 144,000 (or 12,000/month)

2. Present equipment

44 rolldex (13 trays each) - 1 rolldex - occupations, etc.)
(24x51x32) -

1 rolldex - 25 linear feet - 30,000 cards

3. Space - 2,125 sq. feet - total

825 sq. feet - desks (20)

1,300 sq. feet - rolldex cabinets (1 cabinet - 30 sq. feet)

4. Growth

44 cabinets - hold 1,320,000 cards 0 - 3x5 hard card
280,000 - overt flimsies - not hard card

(10 cabinets more - flimsies typed to hard card 280,000/30,000

Additional space - 300 square feet

Additions yearly - 144,000 - 5 cabinets yearly

5. Density - approx ^{3x5} 1000 cards/ft. - normal
max. 1200 cards/ft.

IBM

normal - approx 1500/ft <
max - " 1800/ft

6. Proposed modification

44 rolldex - 10 trays - 3,000/tray - 30,000/rolldex

Thinner card than 3x5 card - REQUIRING LESS Floor space -

EAM System

EAM Equipment

Monthly

| | |
|---|---------------|
| 3 card punch - to create index cards | \$120 |
| 2 verifiers - to check punching accuracy | 100 |
| 1 interpreter - to print punched cards | 100 |
| 1 sorter - sequence additions to indices | 110 |
| 1 collator - to provide sequence checking | 245 |
| 1 alphabetic accounting machine - reports | 800 |
| | <u>\$1475</u> |

9

Above needed for daily operations - not part of the conversion

Some machine costs may be offset by:

1 punch machine in SRD (control desk)

Machine time now utilized to produce listings
for SRD by the Machine Division/ Comptroller's
office.

Tape System

Card reader
High Speed printer
4 tape drives
central processing unit
8,000 positions of core memory

IBM 1401 - 800 sq feet
Computer components can be compactly arranged

Printing card punch machines - verifiers - each 31"/28" sq ft.
Sorter - 63"x20"

IBM Card backup

Space requirement - 130 sq. ft. - 10% of current area - cabinets
at eye level

700 cards 0 interfile - 2 hrs/day - 1 clerk responsible for
maintenance of index.

Computer time - 1 to 2 hours to handle daily volume of index
searched. Deletions and changes to index on daily basis
would require 30 min. additional computer time/day.

| | <u>Tape</u> |
|------------------------|--|
| Personnel Required: | 1 file clerk and searcher 5 key punch operators 1 code clerk & editor 1 clerical supervisor |
| Computer | 3 systems analysts 4-5 programmers 2 console operators supervisory & Mgmt personnel |
| Computer cost | \$7,500 - \$10,000 / month 15-30% utilization - (176) - remainder of time charged to other applications - would range from \$1125 - \$3,000 per month |
| Equipment | |
| Key punch machines (3) | \$120 |
| Verifiers (2) | 100 |
| Sorter (1) | 125 |
| Interpreter (1) | 100 |